

Title (en)

Yarn feeder, particularly for yarns with high elongation coefficient, in circular knitting machines

Title (de)

Fadenliefervorrichtung, insbesondere für Faden mit hohem Dehnungskoeffizient, an Rundstrickmaschinen

Title (fr)

Dispositif d'alimentation en fil, notamment pour des fils à haut coefficient d'élongation, dans des machines à tricoter circulaires

Publication

**EP 0882827 A2 19981209 (EN)**

Application

**EP 98108803 A 19980514**

Priority

IT MI971295 A 19970602

Abstract (en)

A yarn feeder, particularly for elastic yarns having a high elongation coefficient, in circular knitting machines. The feeder (1) comprises a series of passages and/or contact regions (2,3,4,5) forming a path for the yarn (6) that unwinds from the spool or reel (7) up to the needle work area of the machine. The feeder comprises, along the path, an element (11) which can engage the yarn (6) and can move on command in order to lengthen the yarn path so as to produce an excess length of yarn unwound from the spool (7) with respect to the length of yarn required by the machine and so as to supply at least part of the excess yarn directly before yarn cutting, which is performed proximate to the needle work area of the machine.  
<IMAGE>

IPC 1-7

**D04B 15/46**

IPC 8 full level

**D04B 15/46** (2006.01); **D04B 9/00** (2006.01); **D04B 15/50** (2006.01); **D04B 15/60** (2006.01)

CPC (source: EP KR US)

**D04B 9/20** (2013.01 - EP US); **D04B 9/46** (2013.01 - KR); **D04B 15/46** (2013.01 - EP US); **D04B 15/50** (2013.01 - KR);  
**D04B 15/61** (2013.01 - EP US); **D04B 35/02** (2013.01 - KR); **D04B 37/02** (2013.01 - KR)

Cited by

CN104032470A; ES2755948A1; IT201600102672A1; ES2724798A1; US11060218B2; WO03076705A1; WO2019170952A1; WO2018069406A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 0882827 A2 19981209**; **EP 0882827 A3 19991201**; **EP 0882827 B1 20030625**; CZ 169198 A3 19981216; CZ 294873 B6 20050413;  
DE 69815757 D1 20030731; DE 69815757 T2 20040408; ES 2202698 T3 20040401; IT 1292060 B1 19990125; IT MI971295 A0 19970602;  
IT MI971295 A1 19981202; JP H1150362 A 19990223; KR 100554624 B1 20061004; KR 19990006549 A 19990125; SK 68398 A3 19990413;  
TW 432132 B 20010501; US 6089048 A 20000718

DOCDB simple family (application)

**EP 98108803 A 19980514**; CZ 169198 A 19980601; DE 69815757 T 19980514; ES 98108803 T 19980514; IT MI971295 A 19970602;  
JP 15338398 A 19980602; KR 19980020199 A 19980601; SK 68398 A 19980522; TW 87108151 A 19980526; US 8121398 A 19980520